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Data & Analytical Science · Peterborough, England
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EDUCATION

BSc (Hons) Data & Analytical Science — Anglia Ruskin University

Peterborough Campus · 2023–2026 · Predicted First Class

Major project: Predicting the Market Value of Professional Football Players — a multi-source stacked ensemble using Transfermarkt, FBref and EA Sports FC data (R^2 0.958, MAE "H €0.96M on held-out data).

SELECTED PROJECTS

RIPPLE — Real-time Inland Pollution Pattern Learning and Evaluation

github.com/DarthJkid/RIPPLE · Python

Near-real-time anomaly detection pipeline for English freshwater pollution events, fusing regulatory, sensor and citizen-reported data streams.

CONCLAVE — Criterion-level LLM agents for variant evaluation

github.com/DarthJkid/CONCLAVE · Python

Research-grade ACMG/AMP-aligned variant interpretation platform with per-criterion conformal abstention, multi-agent orchestration and evidence provenance.

SolarYieldLab — Solar analytics & digital-twin platform

github.com/DarthJkid/SolarYieldLab · Python

Combines multi-source environmental data, physics-based PV modelling and machine learning to estimate yield, compare designs and quantify uncertainty.

SKILLS

Machine Learning: random forests, gradient boosting, regression, SVMs, clustering, MLPs, stacked ensembles, SHAP interpretability

Data: Python, Pandas, SQL, MongoDB, data mining, web scraping (Playwright), Jupyter

Software: React, Node.js, JavaScript, C#.NET, Git & GitHub, CI/CD

EXPERIENCE

Customer Service Representative — Travelex International Limited

Current

Customer-facing role developing communication and problem-solving skills alongside final-year study.

LOOKING FOR

Graduate opportunities in data science — applying machine learning, data engineering and research-grade software development to real-world scientific, environmental and industrial problems.